

Hyderabad, TS

KARTHIK CHINTHA

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Aspiring and dedicated Electrical and Electronics Engineering (EEE) student with a keen interest in software development and electronics design. Skilled in utilizing programming languages like Html, Css, Python, and SQL, as well as various technologies such as Matlab . A proactive team player with strong time management and problemsolving abilities, adept at producing comprehensive documentation and delivering engaging presentations to drive project success. Eager to apply my passion for technology and analytical mindset to excel in the field

EDUCATION

J.B. Institute of Engineering and Technology	Telangana, India	2019 – 2023
<ul style="list-style-type: none">• Bachelor of Technology, Electrical and Electronics Engineering, CGPA: 7.53		
Krishnaveni Junior College	Telangana, India	2016 – 2018
<ul style="list-style-type: none">• Intermediate, Telangana State Board of Intermediate Education, Marks: 769		
Z P S School	Telangana, India	2015 – 2016
<ul style="list-style-type: none">• Secondary School Certificate, Board of Secondary Education, CGPA: 8.5		

INTERNSHIP

SOLAR POWER GENERATION & DISTRIBUTION KOTHAGUDEM	S C Co Ltd	11 October 2021 – 10 November 2022
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- Knowledge of solar power regulations and safety protocols.
- Gained hands-on experience with Solar panel installation and maintenance
- Electrical wiring and connections for solar arrays.

LANGUAGES AND TECHNOLOGIES

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- **Programming Skills:** HTML,CSS, Python.
 - **Utilities:** Matlab
 - **Soft Skills:** Time management, Team work, Problem-solving, Empathy Documentation, Engaging Presentation

ACADEMIC PROJECT**Major Project****Fuzzy Logic Control for Solar PV Fed Modular Multilevel Inverter Towards Marine Water Pumping Applications**

- Developed a comprehensive research project focusing on the implementation of Fuzzy Logic Control to optimize the performance of a Solar PV Fed Modular Multilevel Inverter system for marine water pumping applications. The project aimed to enhance energy efficiency and reliability in remote marine environments.
- Utilized MATLAB/Simulink for modeling and simulation of the control system and inverter performance.
- Gained a deep understanding of solar photovoltaic systems, including their design and integration.
- Developed problem-solving skills o to address challenges related to marine water pumping applications.
- Enhanced my knowledge of Modular Multilevel Inverters and their role in power conversion.
- Learned to simulate and analyze complex control systems using MATLAB/Simulink.

Mini Project**Study On Operation of 33/11 KV Rayagir Substation.**

- Analyzed the electrical equipment and systems within the substation to identify potential areas for improvement.
- Collaborated with the substation's maintenance team to understand their day-to-day operations and challenges.

CERTIFICATIONS

Introduction to IoT

- Awarded by Skillup by Simplilearn
- Internet of Things (IoT) is a network of devices which can sense, accumulate and transfer data over the internet without any human intervention.

Python for Beginners

- Awarded by Skillup by Simplilearn
- Proficiency in design thinking methodologies and problem solving.